

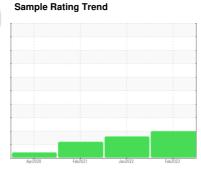
OIL ANALYSIS REPORT

7245787 (S/N 1514)

Component

Compressor

KAESER SIGMA (OEM) M-460 (--- GAL)





DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

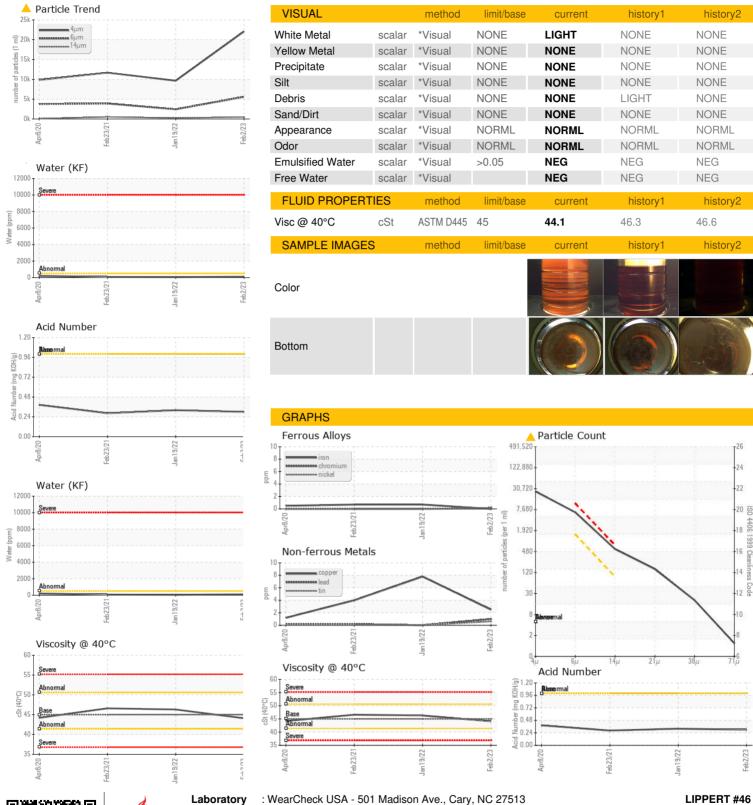
Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

		Apr202		Jan 2022 F	eb2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC100520	KC95443	KC74272
Sample Date		Client Info		02 Feb 2023	19 Jan 2022	23 Feb 2021
Machine Age	hrs	Client Info		0	5197	2897
Oil Age	hrs	Client Info		0	2300	2232
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	<1
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>3	<1	0	0
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>2	0	<1	<1
Aluminum	ppm	ASTM D5185m	>10	3	<1	0
Lead	ppm	ASTM D5185m	>10	1	0	<1
Copper	ppm	ASTM D5185m	>50	2	8	4
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Antimony	ppm	ASTM D5185m			0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	25	<1
Barium	ppm	ASTM D5185m	90	69	8	28
Molybdenum	ppm	ASTM D5185m	0	<1	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	100	75	57	78
Calcium	ppm	ASTM D5185m	0	2	2	2
Phosphorus	ppm	ASTM D5185m	0	4	2	5
Zinc	ppm	ASTM D5185m	0	0	9	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2	<1	<1
Sodium	ppm	ASTM D5185m		20	23	22
Potassium	ppm	ASTM D5185m	>20	6	20	26
Water	%	ASTM D6304	>0.05	0.010	0.005	0.007
ppm Water	ppm	ASTM D6304	>500	102.4	58.1	75.5
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		22069	9658	11673
Particles >6µm		ASTM D7647	>1300	<u> </u>	<u>▲</u> 2442	▲ 3910
Particles >14μm		ASTM D7647	>80	495	△ 230	▲ 527
Particles >21µm		ASTM D7647	>20	<u> </u>	△ 54	<u>▲</u> 159
Particles >38μm		ASTM D7647	>4	<u> </u>	△ 5	6
Particles >71μm		ASTM D7647	>3	1	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>22/20/16</u>	▲ 18/15	▲ 19/16
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.30	0.32	0.284



OIL ANALYSIS REPORT





Certificate L2367

Laboratory Sample No. Lab Number

: KC100520

Unique Number: 10325380 Test Package : IND 2

Received : 07 Feb 2023 : 05760773 **Tested** : 08 Feb 2023

Diagnosed : 08 Feb 2023 - Don Baldridge

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

HOWE, IN

US 46546

T: F:

3625 N STATE RD 9

Contact: Service Manager